

ABSTRACT

Disclosed is an intercrosslinked multilayer polymeric article having at least one thermoplastic polymer layer intercrosslinked by UV radiation at the interface with a core layer of a crosslinkable polymer. The selection of the thermoplastic polymer and the crosslinkable polymer is such that a coextruded composite product of these materials has poor interlayer adhesion prior to radiation treatment. However, the interfacial intercrosslinking provides superior bonding between the layers. The same UV radiation for intercrosslinking typically can also cure the crosslinkable polymer to give the multilayer article excellent structural integrity. Also disclosed is a method for preparing an intercrosslinked multilayer polymeric article.